

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	16	ipsec near4 parameter with policy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/18 17:39
L3	54	(clear\$3 remov\$3 delet\$3 destroy\$3) with policy adj (parameter setting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/18 19:05
L7	2	(clean adj group).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/18 19:05
S1	2462	(713/176).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/17 15:05
S2	1247	(713/176).CCLS.	US-PGPUB	OR	OFF	2007/07/03 21:24
S3	384	((713/179) or (713/181)).CCLS.	USPAT	OR	OFF	2007/07/03 21:24
S4	1215	(713/176).CCLS.	USPAT	OR	OFF	2007/07/03 21:24
S5	420	((stor\$3 sav\$3) with certificate with (mac hash check adj code digest))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/03 21:28
S6	2462	(713/176).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/03 21:28
S7	52	((stor\$3 sav\$3) with certificate with (mac hash check adj code digest)) and (S6 S3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/03 21:34
S8	1	("6795834").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/03 21:30
S9	21	((stor\$3 sav\$3) with certificate with signature with (mac hash check adj code digest)) and (S6 S3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/03 21:38

jc

EAST Search History

S10	11	((stor\$3 sav\$3) with certificate with signature with (mac hash check adj code digest)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/03 21:41
S11	0	(certificate with signature with check adj code).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/03 21:41
S12	2	(certificate with signature with check adj code)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/03 22:02
S13	1	("20040162982").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/03 22:02
S14	1	nakahara-shinichi.in. and (data adj storage and recording adj medium).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 18:29
S15	1	nakahara.in. and (data adj storage and recording adj medium).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 18:29
S16	2	nakahara.in. and (data adj storage).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:13
S17	2	kanai.in. and (electronic adj document adj management adj system).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 18:33
S18	47	shinichi.in. and (data adj storage).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 18:31

EAST Search History

S19	18	kanai.in. and (signature with hash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 21:28
S20	17	entry adj signature with hash	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 21:33
S21	39	kanai.in. and (signature)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 21:35
S22	301	storage adj signature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 21:50
S23	1	nakahara.in. and storage adj signature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 21:36
S24	0	"hash of the signature" "hash of the digital signature"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 21:50
S25	351	hash adj signature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 21:50
S26	248	("5005200").URPN.	USPAT	OR	ON	2007/07/05 21:53
S27	21	nakahara.in. and (signature)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:48

EAST Search History

S28	1	("20040264698").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/06 15:59
S29	1	("20040107360").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/17 19:40
S30	3	((("20040107360") or ("6,275,941") or ("6,088,451"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/06 16:04
S31	19	((("6,134,680") or ("6,615,383") or ("6,871,284") or ("6,892,317") or ("6,993,686") or ("20030221002") or ("20040006532") or ("20040083129") or ("20040250107") or ("20050015622") or ("20050086337") or ("20050086502") or ("20050114502") or ("20050131997") or ("20050138204") or ("20050144532") or ("20050172019") or ("20060033606") or ("20060085850"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/06 16:06
S32	11	((("20030200464") or ("20030191966") or ("20030097315") or ("20030055962") or ("20030041167") or ("20020199116") or ("20020078347") or ("6601175") or ("6393484") or ("6389539") or ("6327550"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/06 16:08
S33	211	compliance adj check	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 16:15
S35	1	("6327652").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/06 16:21
S36	1	("5892900").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/06 16:21
S37	135	("6327652").URPN.	USPAT	OR	ON	2007/07/06 16:38
S38	1	("6609199").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/06 16:38
S39	1	("20040107360").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/16 21:13
S40	2	((("6275941") or ("6088451"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/16 21:13

EAST Search History

S41	1	("7200804").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/17 15:05
S42	1	("20030055962").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/17 20:13
S43	1	("6463474").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/17 19:44
S44	1346683	((verify\$3 verification) (check\$3) (complian\$3) with update)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 19:45
S45	930	((verify\$3 verification) (check\$3) (complian\$3)) with (version software) near3 update)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 19:46
S46	84	((verify\$3 verification) (check\$3) (complian\$3)) with (version software) near3 update near5 install\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 19:51
S47	1	((verify\$3 verification) (check\$3) (complian\$3)) with update near5 install\$3) same (domain adj credential)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 19:52
S48	49	domain adj credential	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 19:54
S49	0	(remov\$3 hid\$3 eras\$3 delet\$3 destroy\$3) with (domain adj (password credential token key certificate)) with (fail\$3 pass\$3) with complian\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 19:57
S50	0	(remov\$3 hid\$3 eras\$3 delet\$3 destroy\$3) with (domain near4 (password credential token key certificate)) with (fail\$3 pass\$3) with complian\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 19:58

EAST Search History

S51	4	(remov\$3 hid\$3 eras\$3 delet\$3 destroy\$3) with (domain near4 (password credential token key certificate)) with (fail\$3 pass\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 19:58
S52	0	(remov\$3 hid\$3 eras\$3 delet\$3 destroy\$3) with (domain near4 (password credential token key certificate)) with (complan\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:00
S53	323	(timer countdown count adj down) with (complan\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:01
S54	7	(timer countdown count adj down) with (complan\$3) and (computer with security)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:11
S55	6	(timer countdown count adj down) with (complan\$3) and (computer same security) not S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:11
S56	3324	((726/5) or (726/26-30)).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/17 20:14
S57	479	S56 and (complan\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:14
S58	52	S56 and (complan\$3) same update	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:14
S59	0	complan\$3 same (enable disable) same domain adj account	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:23

EAST Search History

S60	1	complan\$3 same (enabl\$3 disabl\$3) same domain adj account	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:23
S61	334	complan\$3 same (enabl\$3 disabl\$3) same account	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:23
S62	149	complan\$3 same (enabl\$3 disabl\$3) with account	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:24
S63	73	complan\$3 same (enabl\$3 disabl\$3) near4 account	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:33
S64	1	new adj computer same complian\$3 same (enabl\$3 disabl\$3) same account	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:34
S65	78	new same complian\$3 same (enabl\$3 disabl\$3) same account	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:53
S66	0	(5,951,6986,275,9426,338, 1412005/01085782005/0198527). CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/17 20:53
S67	5	(("5,951,698") or ("6,275,942") or ("6,338,141") or ("20050108578") or ("20050198527")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/17 21:12
S68	20	membership same computer same (complan\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 21:21
S69	1	("6393484").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/17 22:36

EAST Search History

S70	1	only near3 members near4 read near5 policy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 22:37
S71	5	only near3 members with read with policy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 22:37
S72	21	only near3 members with access with policy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 22:38
S73	284	only with read with policy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 22:39
S74	64	only with read near3 policy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 22:39



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1 [Architecture: Towards a secure and interoperable DRM architecture](#)



Gelareh Taban, Alvaro A. Cárdenas, Virgil D. Gligor

 October 2006 **Proceedings of the ACM workshop on Digital rights management DRM '06**

Publisher: ACM Press

 Full text available: pdf(442.79 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we look at the problem of interoperability of digital rights management (DRM) systems in home networks. We introduce an intermediate module called the Domain Interoperability Manager (DIM) to efficiently deal with the problem of content and license translation across different DRM regimes. We also consider the threat model specific to interoperability systems, and introduce threats such as the cross-compliance and splicing attacks. We formalize the adversary model and define security ...

Keywords: DRM, home networks, interoperability

2 [Link and channel measurement: A simple mechanism for capturing and replaying wireless channels](#)



Glenn Judd, Peter Steenkiste

 August 2005 **Proceeding of the 2005 ACM SIGCOMM workshop on Experimental approaches to wireless network design and analysis E-WIND '05**

Publisher: ACM Press

 Full text available: pdf(6.06 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Physical layer wireless network emulation has the potential to be a powerful experimental tool. An important challenge in physical emulation, and traditional simulation, is to accurately model the wireless channel. In this paper we examine the possibility of using on-card signal strength measurements to capture wireless channel traces. A key advantage of this approach is the simplicity and ubiquity with which these measurements can be obtained since virtually all wireless devices provide the required ...


Keywords: channel capture, emulation, wireless

3 [Ext3cow: a time-shifting file system for regulatory compliance](#)




Zachary Peterson, Randal Burns

 May 2005 **ACM Transactions on Storage (TOS)**, Volume 1 Issue 2

Publisher: ACM PressFull text available:  pdf(443.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The ext3cow file system, built on the popular ext3 file system, provides an open-source file versioning and snapshot platform for compliance with the versioning and auditability requirements of recent electronic record retention legislation. Ext3cow provides a *time-shifting* interface that permits a real-time and continuous view of data in the past. Time-shifting does not pollute the file system namespace nor require snapshots to be mounted as a separate file system. Further, ext3cow is i ...

Keywords: Versioning file systems, copy-on-write4 Attestation and binding: A protocol for property-based attestation 


 Liqun Chen, Rainer Landfermann, Hans Löhr, Markus Rohe, Ahmad-Reza Sadeghi, Christian Stübke, Horst Görtz
November 2006 **Proceedings of the first ACM workshop on Scalable trusted computing STC '06**

Publisher: ACM PressFull text available:  pdf(279.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The Trusted Computing Group (TCG) has issued several specifications to enhance the architecture of common computing platforms by means of new functionalities, amongst others the (binary) attestation to verify the integrity of a (remote) computing platform/application. However, as pointed out recently, the binary attestation has some shortcomings, in particular when used for applications: First, it reveals information about the configuration of a platform (hardware and software) or application. T ...


Keywords: TCG binary attestation, property-based attestation, security kernels, zero-knowledge proof of knowledge5 Role-based access control on the web 


 Joon S. Park, Ravi Sandhu, Gail-Joon Ahn
February 2001 **ACM Transactions on Information and System Security (TISSEC)**, Volume 4 Issue 1

Publisher: ACM PressFull text available:  pdf(331.03 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Current approaches to access control on the Web servers do not scale to enterprise-wide systems because they are mostly based on individual user identities. Hence we were motivated by the need to manage and enforce the strong and efficient RBAC access control technology in large-scale Web environments. To satisfy this requirement, we identify two different architectures for RBAC on the Web, called user-pull and server-pull. To demonstrate feasibility, we im ...

Keywords: WWW security, cookies, digital certificates, role-based access control6 Systems and architectures: A DRM security architecture for home networks 

 Bogdan C. Popescu, Bruno Crispo, Andrew S. Tanenbaum, Frank L.A.J. Kamperman
October 2004 **Proceedings of the 4th ACM workshop on Digital rights management DRM '04**

Publisher: ACM PressFull text available:  pdf(222.46 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a security architecture allowing digital rights management in home networks consisting of consumer electronic devices. The idea is to allow devices to establish dynamic groups, so called "Authorized Domains", where legally acquired copyrighted content can seamlessly move from device to device. This greatly improves the end-user experience, preserves "fair use" expectations, and enables the development of new business models by content providers. Key to our design is a hyb ...

Keywords: DRM architectures, compliant CE devices, digital content protection

7 Posters: Building regulatory compliant storage systems



Zachary N. J. Peterson, Randal Burns

May 2006 **Proceedings of the 2006 international conference on Digital government research dg.o '06**

Publisher: ACM Press

Full text available: [pdf\(80.55 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In the past decade, informational records have become entirely digital. These include financial statements, health care records, student records, private consumer information and other sensitive data. Because of the delicate nature of the data these records contain, Congress and the courts have begun to recognize the importance of properly storing and securing electronic records. Examples of legislation include the Health Insurance Portability and Accountability Act (HIPAA) of 1996, the Gramm-Le ...

8 PicoDBMS: Scaling down database techniques for the smartcard



Philippe Pucheral, Luc Bouganim, Patrick Valduriez, Christophe Bobineau

September 2001 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 10 Issue 2-3

Publisher: Springer-Verlag New York, Inc.

Full text available: [pdf\(259.03 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Smartcards are the most secure portable computing device today. They have been used successfully in applications involving money, and proprietary and personal data (such as banking, healthcare, insurance, etc.). As smartcards get more powerful (with 32-bit CPU and more than 1 MB of stable memory in the next versions) and become multi-application, the need for database management arises. However, smartcards have severe hardware limitations (very slow write, very little RAM, constrained stable mem ...

Keywords: Atomicity, Durability, Execution model, PicoDBMS, Query optimization, Smartcard applications, Storage model

9 A secure and private system for subscription-based remote services



Pino Persiano, Ivan Visconti

November 2003 **ACM Transactions on Information and System Security (TISSEC)**, Volume 6 Issue 4

Publisher: ACM Press

Full text available: [pdf\(241.65 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we study privacy issues regarding the use of the SSL/TLS protocol and X.509 certificates. Our main attention is placed on subscription-based remote services (e.g., subscription to newspapers and databases) where the service manager charges a flat fee for a period of time independent of the actual number of times the service is requested. We start by pointing out that restricting the access to such services by using X.509 certificates and the SSL/TLS protocol, while preserving the in ...

Keywords: Access control, anonymity, cryptographic algorithms and protocols, privacy, world-wide web

10 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97**

Publisher: IBM Press

Full text available:  [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

11 Session 6D: agent analysis and validation: An approach to conforming a MAS into a FIPA-compliant system

Christos Georgousopoulos, Omer F. Rana

July 2002 **Proceedings of the first international joint conference on Autonomous agents and multiagent systems: part 2 AAMAS '02**

Publisher: ACM Press

Full text available:  [pdf\(282.60 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The conversion of a MAS into a FIPA-compliant system (i.e. one that adheres to FIPA standards), is important to support interoperability across different MAS. Supporting such a conversion will also allow system developers to make more effective use of their existing systems. Such a conversion imposes amendments on the system architecture to conform to the new (FIPA) standards, which require extensive code re-writes and testing procedures. We propose a different approach to achieving FIPA complia ...


Keywords: agent languages and environments, agent-based software engineering, methodologies and tools, standards for agent and MAS

12 Secure virtual private networks: the future of data communications

Eli Herscovitz

August 1999 **International Journal of Network Management**, Volume 9 Issue 4

Publisher: John Wiley & Sons, Inc.

Full text available:  [pdf\(230.05 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The Internet is an almost ideal means for information retrieval and exchange. It is cost-effective, easy to use and easily accessible. However, it can also be susceptible to devious practices such as data tempering, eavesdropping and theft. This paper analyses secure virtual private networks (VPNs) and their use in countering the problems of the Internet. Copyright © 1999 John Wiley & Sons, Ltd.

13 Access control: SecureBus: towards application-transparent trusted computing with mandatory access control

Xinwen Zhang, Michael J. Covington, Songqing Chen, Ravi Sandhu

March 2007 **Proceedings of the 2nd ACM symposium on Information, computer and communications security ASIACCS '07**

Publisher: ACM Press

Full text available:  [pdf\(154.95 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The increasing number of software-based attacks has attracted substantial efforts to prevent applications from malicious interference. For example, Trusted Computing (TC) technologies have been recently proposed to provide strong isolation on application platforms. On the other hand, today pervasively available computing cycles and data resources have enabled various distributed applications that require collaboration among different application processes. These two conflicting trends grow in ...

Keywords: SecureBus, mandatory access control, secure platform, trusted computing

14 Secure communications between bandwidth brokers



Bu-Sung Lee, Wing-Keong Woo, Chai-Kiat Yeo, Teck-Meng Lim, Bee-Hwa Lim, Yuxiong He, Jie Song

January 2004 **ACM SIGOPS Operating Systems Review**, Volume 38 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(922.33 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

In the Differentiated Services (DiffServ) architecture, each domain has a Bandwidth Broker to provide the resources management, primarily bandwidth reservation. In a multi-domain environment, Simple Inter-domain Bandwidth Broker Signaling (SIBBS) protocol is proposed for the inter-domain communication protocol proposed for bandwidth broker communication. Since the information exchanged between BBs are sensitive in sense of Service Level Agreement (SLA), the communications between the inter-domai ...

Keywords: Bandwidth Broker, Public Key Infrastructure, Simple Inter-domain Bandwidth Broker Signaling

15 Rover: a toolkit for mobile information access



A. D. Joseph, A. F. de Lespinasse, J. A. Tauber, D. K. Gifford, M. F. Kaashoek

December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM symposium on Operating systems principles SOSP '95**, Volume 29 Issue 5

Publisher: ACM Press

Full text available:  [pdf\(2.18 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

16 Architectures: Achieving media portability through local content translation and end-to-end rights management



David W. Kravitz, Thomas S. Messerges

November 2005 **Proceedings of the 5th ACM workshop on Digital rights management DRM '05**

Publisher: ACM Press

Full text available:  [pdf\(376.29 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The problem addressed in this paper is that of DRM interoperability. The term DRM interoperability, as used here, refers to approaches that provide for the transfer, from one "upstream" DRM system to another "downstream" DRM system, of DRM protected content and an associated license. We introduce the concept of a Rights Issuer Module (RIM) that is functionally situated in the home network between the upstream device (which includes an upstream-DRM agent) and downstream devices (which each include ...

Keywords: MPEG-21, NEMO, copyright protection, coral, digital content, digital rights management, export, import, interoperability, open mobile alliance, security

17 Trusted paths for browsers



Zishuang (Eileen) Ye, Sean Smith, Denise Anthony

May 2005 **ACM Transactions on Information and System Security (TISSEC)**, Volume 8
Issue 2

Publisher: ACM Press

Full text available: pdf(265.37 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Computer security protocols usually terminate in a computer; however, the human-based services which they support usually terminate in a human. The gap between the human and the computer creates potential for security problems. We examine this gap, as it is manifested in secure Web servers. Felten et al. demonstrated the potential, in 1996, for malicious servers to impersonate honest servers. In this paper, we show how malicious servers can still do this---and can also forge the existence of an ...

Keywords: HCISEC, Trust path, Web browser security

18 Toward a model of self-administering data



ByungHoon Kang, Robert Wilensky0

January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries JCDL '01**

Publisher: ACM Press

Full text available: pdf(308.08 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We describe a model of self-administering data. In this model, a declarative description of how a data object should behave is attached to the object, either by a user or by a data input device. A widespread infrastructure of self-administering data handlers is presumed to exist; these handlers are responsible for carrying out the specifications attached to the data. Typically, the specifications express how and to whom the data should be transferred, how it should be incorporated when it i ...

Keywords: asynchronous collaboration, data access model, data management, distributed file system, file sharing, peer to peer, scalable update propagation, self-administering data

19 Network layer access control for context-aware IPv6 applications



Adrian Friday, Maomao Wu, Joe Finney, Stefan Schmid, Keith Cheverst, Nigel Davies

July 2003 **Wireless Networks**, Volume 9 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: pdf(3.57 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

As part of the Lancaster GUIDE II project, we have developed a novel wireless access point protocol designed to support the development of next generation mobile context-aware applications in our local environs. Once deployed, this architecture will allow ordinary citizens secure, accountable and convenient access to a set of tailored applications including location, multimedia and context based services, and the public Internet. Our architecture utilises packet marking and network level packet ...

Keywords: authentication, mobile IPv6, public access point, security, wireless Internet

20 The taser intrusion recovery system



Ashvin Goel, Kenneth Po, Kamran Farhadi, Zheng Li, Eyal de Lara

October 2005 **ACM SIGOPS Operating Systems Review , Proceedings of the twentieth**

ACM symposium on Operating systems principles SOSP '05, Volume 39 Issue

5

Publisher: ACM PressFull text available:  pdf(346.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Recovery from intrusions is typically a very time-consuming operation in current systems. At a time when the cost of human resources dominates the cost of computing resources, we argue that next generation systems should be built with automated intrusion recovery as a primary goal. In this paper, we describe the design of Taser, a system that helps in selectively recovering legitimate file-system data after an attack or local damage occurs. Taser reverts tainted, i.e. attack-dependent, file-syst ...

Keywords: file systems, intrusion analysis, intrusion recovery, snapshots

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